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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	10/696,050
Filing Date	OCTOBER 29, 2003
First Named Inventor	VLADIMIR GRUSHIN
Group Art Unit	2813
Examiner Name	UNKNOWN KIELIN
Attorney Docket Number	PE0649USDV1

U.S. PATENT DOCUMENTS

DUPLICATE

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document CountryCode ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
ER		EP 1 191 614 A2	03-27-2002	Canon Kabushiki Kaisha		<input type="checkbox"/>
ER		WO 00/57676 A1	09-28-2000	Univ. of Southern California		<input type="checkbox"/>
ER		WO 01/41512 A1	06-07-2001	Princeton Univ & University of Southern California		<input type="checkbox"/>
ER		WO 02/02714 A2	01-10-2002	DuPont		<input type="checkbox"/>
ER		WO 02/15645 A1	02-21-2002	Princeton Univ, Univ of So Cal & Universal Display		<input type="checkbox"/>
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/		/	/	/	/	<input type="checkbox"/>

**Examiner
Signature**

Date Considered

6/25/2005

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2

of 2

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Application Number	10/696,060
Filing Date	October 29, 2003
First Named Inventor	VLADIMIR GRUSHIN ET. AL.
Group Art Unit	2813
Examiner Name	UNKNOWN KIELIN
Attorney Docket Number	PE0649USDIV1

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		LAMANSKY, SERGEY ET AL., Highly Phosphorescent Bis-Cyclometalated Iridium Complexes: Synthesis, Photophysical Characterization, and Use in Organic Light Emitting Diodes, J. Am. Chem. Soc., 2001, 123, 4304-4312, American Chemical Society	<input type="checkbox"/>
		LAMANSKY, SERGEY ET AL., Synthesis and Characterization of Phosphorescent Cyclometalated Iridium Complexes, Inorg. Chem. 2001, 40, 1704-1711, American Chemical Society	<input type="checkbox"/>
		LAMANSKY, SERGEY ET AL., Molecularly doped polymer light emitting diodes utilizing phosphorescent Pt(II) and Ir(III) dopants, Organic Electronics, 2001, 2, 53-62, Elsevier Science B.V.	<input type="checkbox"/>
EK		ABSTRACT OF JAPANESE PCT Publication WO02/44 189 A1, Luminescent Element and Display, 06-06-2002, Canon Kabushiki Kaisha	<input type="checkbox"/>
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Sheet	1	of	2
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Application Number	10/027,421
Filing Date	DECEMBER 20, 2001
First Named Inventor	VLADIMIR GRUSHIN ET AL.
Group Art Unit	2015 2813
Examiner Name	UNKNOWN KIELIN
Attorney Docket Number	PE0649 US CIP

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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentes or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
EK		WO	00/70655	A2	Princeton Univ. and USC	11/23/00		
		WO	96/03410	A1	Boehringer Mannheim	02/08/96		
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 10 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known Application Number: 10/027,421 Filing Date: DECEMBER 20, 2001 First Named Inventor: VLADIMIR GRUSHIN ET AL. Group Art Unit: 2815-2813 Examiner Name: UNKNOWN KJELIN Attorney Docket Number: 10/027,421	
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
EK		DJUROVICH, PETER I. ET AL., Ir(III) Cyclometalated Complexes As Efficient Phosphorescent Emitters in Polymer Blend and Organic LEDs, Polymer Preprints, 2000, 770-771, 41(1)	<input type="checkbox"/>
EK		CHATANI, NAOTO ET AL., Ru3(CO)12-Catalyzed Reaction of Pyridylbenzenes with Carbon Monoxide and Olefins. Carbonylation at a C-H Bond in the Benzene Ring, J. Org. Chem., 1997, 2604-2610, 62, American Chemical Society	<input type="checkbox"/>
EK		GOSMINI, CORINNE ET AL., Electrosynthesis of functionalized 2-arylpyridines from functionalized aryl and pyridine halides catalyzed by nickel bromide 2,2'-bipyridine complex, Tetrahedron Letters, 2000, 5039-5042, 41, Elsevier Science Ltd.	<input type="checkbox"/>
EK		CACCHI, SANDRO ET AL., The Palladium-Catalyzed Transfer Hydrogenation/Heterocyclization of B-(2-Aminophenyl)-a,B-ynones. An Approach to 2-Aryl- and 2-Vinylquinolines, Synlett, 1999, 401-404, No. 4, Thieme Stuttgart, New York	<input type="checkbox"/>
EK		BALDO, M. A. ET AL., Very high-efficiency green organic light-emitting devices based on electrophosphorescence, Applied Physics Letters, July 5, 1999, 4-6, 75(1) American Institute of Physics	<input type="checkbox"/>
EK		BALDO, M. A. ET AL., High-efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer, Nature, February 17, 2000, 750-753, 403, Macmillan Magazines Ltd.	<input type="checkbox"/>
EK		WANG, YUE ET AL., (Hydroxyphenyl)pyridine derivative, its metal complexes and application as electroluminescence material, Chemical Abstracts Service, March 1, 2000, Database No. 133:315395	<input type="checkbox"/>
EK		DEDEIAN K. ET AL., A New Synthetic Route to the Preparation of a Series of Strong Photoreducing Agents: fac Tris-Ortho-Metalated Complexes of Iridium(III) with Substituted 2-Phenylpyridines, Inorg. Chem., 1991, 1685-1687, 30(8), American Chemical Society	<input type="checkbox"/>
			<input type="checkbox"/>
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			<input type="checkbox"/>

Examiner Signature	EK	Date Considered	6/25/2005
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		First Named Inventor	VLADIMIR GRUSHIN ET AL.
		Group Art Unit	2845 2813
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		BALDO, M.A. et al., High-efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer, Nature, February 17, 2000, 760-763, Vol. 403	
		DIJUROVICH, PETER I. et al., Ir(III) Cyclometalated Complexes as Efficient Phosphorescent Emitters in Polymer Blend and Organic LEDs, Polymer Reprints, 2000, 770-771, 41(1)	
		BALDO, M.A. et al., Very high-efficiency green organic light-emitting devices based on electrophorescence, Applied Physics Letters, July 5, 1999, 4-6, 75(1), American Institute of Physics	
EX		LOHSE, OLIVIER, et al., The Palladium Catalysed Suzuki Coupling of 2- and 4-Chloropyridines, Synlett, 1999, 45-48, No. 1, Thieme Stuttgart, New York	
EX		BALDO, M.A. et al., Highly efficient phosphorescent emission from organic electroluminescent devices, Nature, September 10, 1998, 151-154, Vol 395	
		DEDEIAN, K. et al., A New Synthetic Route to the Preparation of a Series of Strong Photoreducing Agents: fac-Tris-Oxo-Metalated Complexes of Iridium(III) with Substituted 2-Pyridylpyridines, Inorganic Chemistry, 1991, 1685-1687, 30(8)	

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